



41

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

JUL 15 2004  
TECH CENTER 1600-200

In re Patent Application of

MAERTENS et al.

Atty. Ref.: 2551-68

Serial No. 09/995,791

Group: 1648

Filed: November 29, 2001

Examiner: MOSHER, Mary

For: PURIFIED HEPATITIS C VIRUS ENVELOPE PROTEINS FOR DIAGNOSTIC AND THERAPEUTIC USE

\* \* \* \* \*

July 13, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**REQUEST**

It is respectfully requested that the Examiner return an initialed copy of Form PTO-1449, filed with the Information Disclosure Statement on April 16, 2002, to the undersigned. A copy of the same was not received with the Office Action dated June 30, 2004 or previously. The present paper is not filed in response to the Office Action of June 30, 2004. A copy of the previously-filed Form PTO-1449 with a copy of the USPTO PAIR page which confirms receipt of the Information Disclosure Statement filed April 16, 2002 are attached for the Examiner's convenience.

The Examiner is requested to confirm the acceptance of the drawings filed with the application on November 29, 2001, or otherwise provide specific objections of the same. The Office Action of June 30, 2004, is incomplete in this respect.

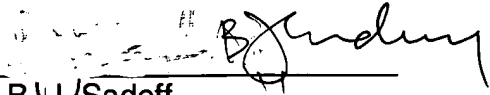
**MAERTENS et al.**  
**Serial No. 09/995,791**

The Examiner is also requested to acknowledge the applicants claim for domestic priority as the Office Action of June 30, 2004 does not include the same.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_

  
B. J. Sadoff  
Reg. No. 36,663

BJS:pp  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

SERIAL NO.

2551-69

09/995,860

APPLICANT

MAERTENS et al.

FILING DATE

GROUP

November 29, 2001

1648

(Use several sheets if necessary)

JUL 13 2004

JUL 13 2004

JUL 13 2004

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,610,009	3/1997	Watanabe et al			
	5,514,539	5/1996	Bukh et al			
	5,919,454	7/1999	Brechot			
	5,308,750	5/1994	Mehta et al			
	5,871,962	2/1999	Bukh et al			
	5,830,691	3/1998	Miyamura et al			
	5,942,234 A	8/1999	Ralston et al			
	6,150,134 A	11/2000	Maertens et al			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
WO 93/15193	8/1993	PCT			
WO 93/02103	2/1993	PCT			
WO 93/04205	3/1993	PCT			
WO 92/08734	5/1992	PCT			
WO 98 21338 A	5/1998	WIPO			
WO 96 04385 A	2/1996	WIPO			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Choo et al, "Vaccination of Chimpanzees Against ... Hepatitis C Virus", Proc. Natl. Acad. Sci., 1994, pp. 1294-1298.
	Lanford et al, "Analysis of Hepatitis C Virus ...", Virology 197, pp. 225-235, 1993.
	Nishihara et al, "Secretion and Purification of Hepatitis C ...", Gene 129: 207-214, 1993.
	Ralston et al, "Characterization of Hepatitis C Virus ...", J. Virol 67:6753-6761, 1993.
	BOSMAN F ET AL: "Purification of the hepatitis C virus envelope proteins and analysis of their oligomeric state." 48TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR THE STUDY OF LIVER DISEASES, CHICAGO, ILLINOIS, USA, NOVEMBER 7-11, 1997. HEPATOLOGY 26 (4 PART 2). 1997. 412A, XP002087226 see abstract 1136.
	Ristoni et al, Compositional bias and mimicry toward the nonself proteome in immunodominant T cell epitopes of self and nonself antigens. FASEB (2000) Vol. 14, No. 3, pp. 431-438.
	Paul, Fundamental Immunology, Raven Press, New York, NY 1993, 3 <sup>rd</sup> Edition, pg. 251, column 1, lines 11-12.
	Baumert et al, Hepatitis C virus structural proteins assemble into virus like particles in insect cells. Journal of Virology (May 1998) Vol. 72, No. 5. pp. 3827-3836.

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include of this form with next communication to application.

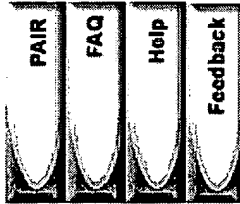
Form PTO-FB-A820 (Also PTO-1449)



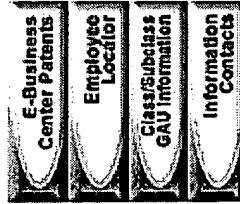
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## PATENT APPLICATION INFORMATION RETRIEVAL



## Other Links

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Search results for application number:09/995,791	
Application Number:	09/995,791
Filing or 371(c) Date:	11-29-2001
Application Type:	Utility
Examiner Name:	MOSHER, MARY
Group Art Unit:	1648
Confirmation Number:	9146
Attorney Docket Number:	2551-68
Class/ Sub-Class:	424/189.1
First Named Inventor:	Geert Maertens, Brugge, (BE)
Title Of Invention:	Purified hepatitis C virus envelope proteins for diagnostic and therapeutic use
Customer Number:	23117
Status:	Non Final Action Mailed
Status Date:	06-29-2004
Location:	TC 1600 CENTRAL FILES OVERFLOW - FRANCONIA
Location Date:	07-02-2004
Earliest Publication No:	US 2003-0147918 A1
Earliest Publication Date:	08-07-2003
Patent Number:	-
Issue Date of Patent:	-

Select Search Option

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File History	
Date	Contents Description
06-30-2004	Mail Non-Final Rejection

06-28-2004	Non-Final Rejection
04-22-2004	Case Docketed to Examiner in GAU
08-29-2003	Information Disclosure Statement (IDS) Filed
03-25-2004	Date Forwarded to Examiner
03-25-2004	Response to Election / Restriction Filed
01-11-2002	Preliminary Amendment
07-26-2002	Miscellaneous Incoming Letter
07-26-2002	Preliminary Amendment
10-29-2003	Mail Notice of Rescinded Abandonment
10-29-2003	Notice of Rescinded Abandonment in TCs
10-29-2003	Petition to Revive Application - Granted
08-29-2003	Petition Entered
07-31-2003	Mail Abandonment for Failure to Respond to Office Action
07-31-2003	Abandonment for Failure to Respond to Office Action
07-30-2003	Mail Miscellaneous Communication to Applicant
07-30-2003	Miscellaneous Communication to Applicant - No Action Count
04-07-2003	Correspondence Address Change
03-26-2003	Rule 47 / 48 Correction of Inventorship Papers Filed
03-26-2003	Request for Extension of Time - Granted
01-23-2003	Mail Restriction Requirement
01-22-2003	Requirement for Restriction / Election
09-20-2002	Case Docketed to Examiner in GAU
04-16-2002	Information Disclosure Statement (IDS) Filed
08-23-2002	Application Dispatched from OIPE
08-22-2002	Application Is Now Complete
07-26-2002	Payment of additional filing fee/Preexam
07-26-2002	A set of symbols and procedures, provided to the PTO on a set of computer listings, that describe in
07-26-2002	CRF Disk Has Been Received by Preexam / Group / PCT
07-26-2002	A statement by one or more inventors satisfying the requirement under 35 USC 115, Oath of the Applic
08-13-2002	CRF Is Good Technically / Entered into Database
12-26-2001	Notice Mailed--Application Incomplete--Filing Date Assigned
12-17-2001	IFW Scan & PACR Auto Security Review
12-03-2001	IFW Scan & PACR Auto Security Review
11-29-2001	Initial Exam Team nn

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